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LOGINID:SSPTANXR1625

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

| | | | |
|--------------|----|--------|--|
| NEWS | 1 | | Web Page for STN Seminar Schedule - N. America |
| NEWS | 2 | JAN 08 | CHEMLIST enhanced with New Zealand Inventory of Chemicals |
| NEWS | 3 | JAN 16 | CA/CAPLUS Company Name Thesaurus enhanced and reloaded |
| NEWS | 4 | JAN 16 | IPC version 2007.01 thesaurus available on STN |
| NEWS | 5 | JAN 16 | WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data |
| NEWS | 6 | JAN 22 | CA/CAPLUS updated with revised CAS roles |
| NEWS | 7 | JAN 22 | CA/CAPLUS enhanced with patent applications from India |
| NEWS | 8 | JAN 29 | PHAR reloaded with new search and display fields |
| NEWS | 9 | JAN 29 | CAS Registry Number crossover limit increased to 300,000 in multiple databases |
| NEWS | 10 | FEB 15 | PATDPASPC enhanced with Drug Approval numbers |
| NEWS | 11 | FEB 15 | RUSSIAPAT enhanced with pre-1994 records |
| NEWS | 12 | FEB 23 | KOREAPAT enhanced with IPC 8 features and functionality |
| NEWS | 13 | FEB 26 | MEDLINE reloaded with enhancements |
| NEWS | 14 | FEB 26 | EMBASE enhanced with Clinical Trial Number field |
| NEWS | 15 | FEB 26 | TOXCENTER enhanced with reloaded MEDLINE |
| NEWS | 16 | FEB 26 | IFICDB/IFIPAT/IFIUDB reloaded with enhancements |
| NEWS | 17 | FEB 26 | CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases |
| NEWS | 18 | MAR 15 | WPIDS/WPIX enhanced with new FRAGHITSTR display format |
| NEWS | 19 | MAR 16 | CASREACT coverage extended |
| NEWS | 20 | MAR 20 | MARPAT now updated daily |
| NEWS | 21 | MAR 22 | LWPI reloaded |
| NEWS | 22 | MAR 30 | RDISCLOSURE reloaded with enhancements |
| NEWS | 23 | APR 02 | JICST-EPLUS removed from database clusters and STN |
| NEWS | 24 | APR 30 | GENBANK reloaded and enhanced with Genome Project ID field |
| NEWS | 25 | APR 30 | CHEMCATS enhanced with 1.2 million new records |
| NEWS | 26 | APR 30 | CA/CAPLUS enhanced with 1870-1889 U.S. patent records |
| NEWS | 27 | APR 30 | INPADOC replaced by INPADOCDB on STN |
| NEWS | 28 | MAY 01 | New CAS web site launched |
| NEWS | 29 | MAY 08 | CA/CAPLUS Indian patent publication number format defined |
| NEWS EXPRESS | | | NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006. |
| NEWS: HOURS | | | STN Operating Hours Plus Help Desk Availability |
| NEWS LOGIN | | | Welcome Banner and News Items |
| NEWS IPC8 | | | For general information regarding STN implementation of IPC 8 |

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 08:52:52 ON 10 MAY 2007

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 08:53:05 ON 10 MAY 2007

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 9 MAY 2007 HIGHEST RN 934521-72-9

DICTIONARY FILE UPDATES: 9 MAY 2007 HIGHEST RN 934521-72-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

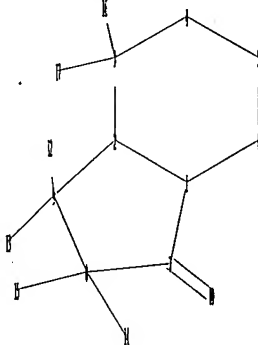
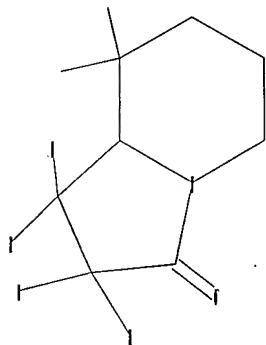
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10567314.str



chain nodes :

10 12 13 14 15 16 17

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

3-16 3-17 7-10 8-14 8-15 9-12 9-13

ring bonds :

1-2 1-6 1-7 2-3 2-9 3-4 4-5 5-6 7-8 8-9

exact/norm bonds :

1-2 1-6 1-7 2-3 3-4 4-5 5-6 7-10

exact bonds :

2-9 3-16 3-17 7-8 8-9 8-14 8-15 9-12 9-13

isolated ring systems :

containing 1 :

Match level :

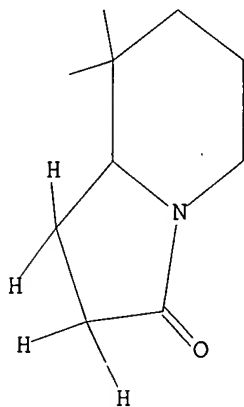
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 08:53:37 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 84 TO ITERATE

100.0% PROCESSED 84 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 1131 TO 2229

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> sl1 full

SL1 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> s l1 full

FULL SEARCH INITIATED 08:53:50 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1805 TO ITERATE

100.0% PROCESSED 1805 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.01

L3 3 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

FULL ESTIMATED COST

172.10

172.31

FILE 'CAPLUS' ENTERED AT 08:53:55 ON 10 MAY 2007
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FILE COVERS 1907 - 10 May 2007 VOL 146 ISS 20
FILE LAST UPDATED: 9 May 2007 (20070509/ED)

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<http://www.cas.org/infopolicy.html>

=> s 13 full

L4 3 L3

=> d ibib abs hitstr tot

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2007:129684 CAPLUS

DOCUMENT NUMBER: 146:359018

TITLE: A practical method for the synthesis of pyrrolizidine, indolizidine, and pyrroloazepinolizidine nucleus

AUTHOR(S): Quiroz, Tomas; Corona, David; Covarruvias, Adrian; Avila-Zarraga, Jose Gustavo; Romero-Ortega, Moises

CORPORATE SOURCE: Departamento de Quimica Organica, Facultad de Quimica, Universidad Autonoma del Estado de Mexico, Toluca, Mex.

SOURCE: Tetrahedron Letters (2007), 48(9), 1571-1575

CODEN: TELEAY; ISSN: 0040-4039

PUBLISHER: Elsevier Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The alkylation of α,ω -dibromo alkanes, with the sodium salt of succinimide, followed by the reduction with sodium borohydride gives the resp. N- ω -bromoalkyl-5-hydroxy-2-pyrrolidinones. These substrates are precursors of N-acyliminium ions under acidic conditions. The condensation of these intermediates with Et malonate in the presence of TiCl_4 and diisopropylethylamine followed by intramol. cyclization provides a convenient route to substituted pyrrolizidinone, indolizidinone, and pyrroloazepinolizidinone nucleus in a good yield.

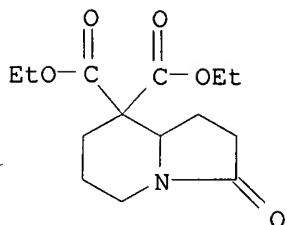
IT 930573-80-1P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of pyrrolizidines, indolizidines, and pyrroloazepinolizidines from succinimide by alkylation and cyclization)

RN 930573-80-1 CAPLUS

CN 8,8(5H)-Indolizinedicarboxylic acid, hexahydro-3-oxo-, 8,8-diethyl ester (CA INDEX NAME)



REFERENCE COUNT: 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

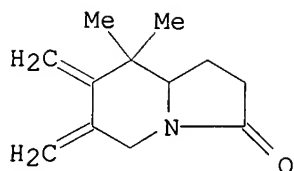
L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2002:48954 CAPLUS
 DOCUMENT NUMBER: 136:340581
 TITLE: The intramolecular Heck reaction and the synthesis of indolizidinone, quinolizidinone and benzoazepinone derivatives
 AUTHOR(S): Santos, Leonardo Silva; Pilli, Ronaldo Aloise
 CORPORATE SOURCE: Instituto de Quimica, UNICAMP, Campinas, 13083-970, Brazil
 SOURCE: Synthesis (2002), (1), 87-93
 CODEN: SYNTBF; ISSN: 0039-7881
 PUBLISHER: Georg Thieme Verlag
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 136:340581
 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The intramol. Heck cyclization of N-alkyl-, -aryl- or -benzyl-5'-allyl-2-pyrrolidinones and N-allyl-, -aryl- or -benzyl-6-allyl-2-piperidinones, prepared through allyltrimethylsilane addition to the corresponding cyclic N-acyliminium ions, afforded indolizidinones I (n = 0), II and III, quinolizidinones I (n = 1) or IV, and benzoazepinones V and VI (n = 0, 1 for both) in moderate to good yields (56-90%). Exclusive exo-trig over endo-trig mode of cyclization was observed in all examples studied, and it was accompanied by double bond migration, which precluded the authors' attempts of a one-pot tandem Diels-Alder cycloaddn. with dienophiles such as maleic anhydride, Me vinyl ketone and di-Et azodicarboxylate. Catalytic hydrogenation of a 2:1 mixture of regioisomeric indolizidinones II and III afforded the stereoisomerically enriched cis indolizidinone VII (20:1 mixture) in quant. yield. A similar behavior was observed in the catalytic hydrogenation of regioisomeric benzoazepinones V and VI (n = 1).

IT 417699-98-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (intermediate in Heck cyclization of allylpyrrolidinone derivative and attempted Diels-Alder cycloaddn. of)

RN 417699-98-0 CAPLUS
 CN 3(2H)-Indolizidinone, hexahydro-8,8-dimethyl-6,7-bis(methylene)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1983:198507 CAPLUS

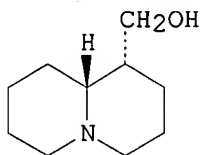
DOCUMENT NUMBER: 98:198507

TITLE: A new synthesis of (±)-lupinine, (±)-epilupinine, and the related heterocycles by application of anodic oxidation
 AUTHOR(S): Okita, Makoto; Wakamatsu, Takeshi; Ban, Yoshio
 CORPORATE SOURCE: Fac. Pharm. Sci., Hokkaido Univ., Sapporo, 060, Japan
 SOURCE: Heterocycles (1983), 20(3), 401-4
 CODEN: HTCYAM; ISSN: 0385-5414

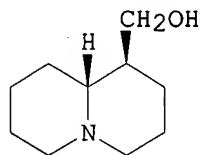
DOCUMENT TYPE: Journal

LANGUAGE: English

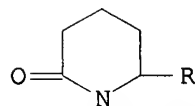
GI



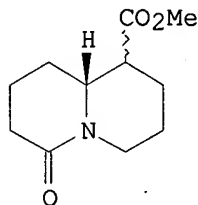
I



II



(CH₂)₃CH(CO₂Me)₂ III



IV

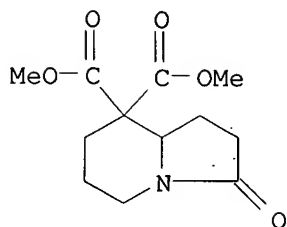
AB (±)-Lupinine (I) and (±)-epilupinine (II) were prepared by anodic oxidn. of the lactam III (R = H) in MeOH to give 71% III (R = MeO), which was cyclized with TiCl₄ followed by decarboxylation to give two quinolizidinones IV (α- and β-CO₂Me), which were reduced by LiAlH₄.

IT 85588-67-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 85588-67-6 CAPLUS

CN 8,8(5H)-Indolizinedicarboxylic acid, hexahydro-3-oxo-, dimethyl ester
 (9CI) (CA INDEX NAME)



=> FIL STNGUIDE
COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 16.28 | 188.59 |

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| -2.34 | -2.34 |

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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: May 4, 2007 (20070504/UP).

=> d his

(FILE 'HOME' ENTERED AT 08:52:52 ON 10 MAY 2007)

FILE 'REGISTRY' ENTERED AT 08:53:05 ON 10 MAY 2007

L1 STRUCTURE UPLOADED
L2 0 S L1
L3 3 S L1 FULL

FILE 'CAPLUS' ENTERED AT 08:53:55 ON 10 MAY 2007

L4 3 S L3 FULL

FILE 'STNGUIDE' ENTERED AT 08:54:24 ON 10 MAY 2007

=> log y
COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 0.06 | 188.65 |

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 0.00 | -2.34 |

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